

**This application is being submitted in the name of Roger R. Arnaud, individual inventor.**

## SPECIFICATION

### PAINTBALL VEHICULAR MOUNT

#### BACKGROUND

##### Field of Invention

**[0001]** This invention relates to paintball guns and mounting of paintball guns on vehicles for combat specifically for on and off road vehicles.

**[0002]** Paintball guns have been commonly used as a non-lethal combat game gun where players attempt to shoot each other with pneumatically powered projectile balls filled with a colored material.

**[0003]** In prior art, no provisions have been made for vehicular combat where a paintball gun is mounted to a bicycle, off-road motorcycle, OHV vehicle, or aquatic vehicle. Until now paintball combat is limited primarily to participants who carry their guns on foot.

**[0004]** A side view of a prior art motorcycle is illustrated in FIGS. 1& 4. The steering assembly 10 is composed of a fork clamp 16 attached to the fork ram 24 and to the vehicle frame 22 at pivot 32. The handlebars 12 attach to the control area 18 and handlebar clamp 20. The wheel 26 attaches to the spokes 28 which attach to

the hub 26. The hub 26 attaches to the fork ram 24. The engine 46 and tank 50 attach to the frame 22. The seat 48 attaches to the frame 22.

**[0005]** A side view of a prior art four wheel vehicle is illustrated in FIG 2. The steering assembly 10 is composed of a steering column 52 attached to the fork ram 24 and to the vehicle frame 22 at pivot 32. The tie rod 56 is attached to steering column 52 and to steering arm 54. The handlebars 12 attach to the control area 18 and handlebar clamp 20. The tires 30 attach to the wheels 34. The wheels 34 attach to the fork ram 24. The engine 46 and tank 50 attach to the frame 22. The seat 48 is attached to the frame 22.

**[0006]** A side view of a prior art aquatic vehicle is illustrated in FIG 3. The steering assembly 10 is composed of a steering column 52 attached to the handlebar clamp 20 and to the steering arm 54. The tie rod 56 is coupled on one end to the steering arm 54 and on the opposite end to the propulsion 66 by means of steering arm 54. The handlebars 12 attach to the control area 18 and handlebar clamp 20.

**[0007]** A top view of a prior art motorcycle is illustrated in FIG. 5. The steering assembly 10 is composed of a fork clamp 16 attached to the fork ram 24 and to the vehicle frame 22 at pivot 32. The handlebars 12 attach to the control area 18 and handlebar clamp 20.

**[0008]** Although there is no prior art that relates to vehicular paintball combat, U.S. patent 6,367,466, to Nettles (2002) shows a paintball gun cradle that that holds a paintball gun for cleaning and storage.

**[0009]** Although prior art does provide for different types of pneumatic paintball gun design, playfields, and paintball gun storage, no prior art is available for vehicular combat and attachment of a paintball to vehicles.

SUMMARY

[0010] The present invention relates generally to vehicular paintball combat using a vehicular mobile mount. This is a new paintball sport utilizing vehicles for terrestrial and aquatic dog fighting among participants. The paintball gun is aimed in conjunction with the normal operation of the vehicle, with vehicle acceleration and deceleration raising and lowering the paintball gun's aim respectively. Right to left aiming is accomplished by turning or leaning the vehicle right to left respectively.

[0011] Accordingly, the present invention provides a paintball gun vehicular mount, which illustrates mounting and aiming a paintball gun on bicycles, motorcycles, off-road vehicles and the like. Still further objects and advantages will become apparent from a consideration of the ensuing description and drawings.

[0012] The disclosed device is directed toward a paintball gun vehicular mount. The paintball gun mobile vehicular mount comprises a bracket having a having one end coupled proximate to the handlebars and the opposite end coupled to the paintball gun. The bracket length adjustment is proximate center of said bracket. A remote trigger control assembly having one end coupled to the paint ball gun trigger connect, a middle defined as the cable, and opposite end thereof defined as trigger control is mounted to the control area proximate to other hand operated controls on the vehicle. A strap having one end coupled to the hopper and the opposite end thereof mounted to the paintball gun frame.

[0013] In another embodiment of the paintball gun vehicular mount comprises a bracket having one end coupled proximate to the front forks and the opposite end thereof coupled to the paintball gun. The bracket length adjustment is proximate

center of said bracket. A remote trigger control assembly having one end coupled to the paint ball gun trigger connect, a middle defined as the cable, and opposite end thereof defined as trigger control is mounted to the control area proximate to other hand operated controls on the vehicle. A strap having one end coupled to the hopper and the opposite end thereof mounted to the paintball gun frame.

**[0014]** In another embodiment, of the paintball gun vehicular mount comprises a bracket having one end coupled proximate to the handlebars and the opposite end thereof coupled to the paintball gun. A second bracket having a having one end coupled proximate to the front forks and the opposite end thereof coupled to the paintball gun. The bracket length adjustment is proximate center of said bracket. A remote trigger control assembly having one end coupled to the paint ball gun trigger connect, a middle defined as the cable, and opposite end thereof defined as trigger control is mounted to the control area proximate to other hand operated controls on the vehicle. A strap having one end coupled to the hopper and the opposite end thereof mounted to the paintball gun frame.

#### BRIEF DESCRIPTION OF THE DRAWINGS

**[0015]** FIG. 1 is a side elevation view of a prior art exemplary vehicle

**[0016]** FIG. 2 is a side elevation view of a prior art exemplary vehicle

**[0017]** FIG. 3 is a side elevation view of a prior art exemplary vehicle

**[0018]** FIG. 4 is a side elevation view of a prior art exemplary vehicle

**[0019]** FIG. 5 is a top elevation view of a prior art exemplary vehicle

**[0020]** FIG. 6 is a side elevation view of an exemplary paintball gun

**[0021]** FIG. 7 is a side elevation view of an exemplary paintball gun vehicular mount

[0022] FIG. 8 is a side elevation view of an exemplary paintball gun vehicular mount

[0023] FIG. 9 is a side elevation view of an exemplary paintball gun vehicular mount

[0024] FIG. 10 is a side elevation view of an exemplary paintball gun vehicular mount

[0025] FIG. 11 is a side elevation view of an exemplary paintball gun

### DETAILED DESCRIPTION

[0026] FIG. 6 illustrates a side view of the preferred embodiment of the paintball gun.

[0027] The paintball gun frame 38 is composed of a strap 62 attached to hopper 36 and attached to paintball gun frame 38. The stock 64 and trigger 58 attach to the paintball frame 38.

[0028] Referring now to FIGS. 7-10, exemplary paintball gun vehicular mounts are described. FIG. 7 illustrates a side view of the preferred embodiment of the paintball gun vehicular mount on a two wheel vehicle.

[0029] The steering assembly 10 is composed of a fork clamp 16 attached to the fork ram 24 and to the vehicle frame 22 at pivot 32. The handlebars 12 attach to the control area 18 and handlebar clamp 20. The spokes 28 attach to the hub 34 and to the wheel 26. The hub 34 is attached to the fork ram 24. A bracket 40 is coupled to the handlebars 12 by means of the clamp 42 and to the paintball gun 38 by means of the clamp 42. The trigger cable 68 is attached on one end to the trigger control 72

mounted to the control area 18 and the opposite end to the paintball trigger connect 70 is attached to the paintball gun. A strap 62 having one end coupled to the hopper 36 and the opposite end thereof mounted to the paintball gun frame 38.

**[0030]** Elevation adjustment of paintball gun frame 38 is increased by lengthening bracket 40 at bracket length adjustment 74 or elevation adjustment of paintball gun frame 38 is decreased by shortening bracket 40 at bracket length adjustment 74.

**[0031]** FIG. 8 illustrates a side view of the preferred embodiment of the paintball gun vehicular mount on a four wheel vehicle.

**[0032]** The steering assembly 10 is composed of a steering column 52 attached to the handlebar clamp 20 and to the tie rod 56. The tie rod 56 is coupled on one end to the steering arm 54 and on the opposite end to the steering column 52. The fork ram 24 is coupled on one end to the wheel 34 and on the opposite end to the frame 22. The handlebars 12 attach to the control area 18 and handlebar clamp 20. A bracket 40 is coupled to the handlebars 12 by means of the clamp 42 and to the paintball gun 38 by means of the clamp 42. The trigger cable 68 is attached on one end to the trigger control 72 mounted to the control area 18 and the opposite end to the paintball trigger connect 70 is attached to the paintball gun. A strap 62 having one end coupled to the hopper 36 and the opposite end thereof mounted to the paintball gun frame 38.

**[0033]** Elevation adjustment of paintball gun frame 38 is increased by lengthening bracket 40 at bracket length adjustment 74 or elevation adjustment of paintball gun frame 38 is decreased by shortening bracket 40 at bracket length adjustment 74.



**[0034]** FIG. 9 illustrates a side view of the preferred embodiment of the paintball gun vehicular mount on an aquatic vehicle.

**[0035]** The steering assembly 10 is composed of a steering column 52 attached to the handlebar clamp 20 and to the steering arm 54. The tie rod 56 is coupled on one end to the steering arm 54 and on the opposite end to the propulsion 66 by means of steering arm 54. The handlebars 12 attach to the control area 18 and handlebar clamp 20. A bracket 40 is coupled to the handlebars 12 by means of the clamp 42 and to the paintball gun 38 by means of the paintball gun clamp 42. The trigger cable 68 is attached on one end to the trigger control 72 mounted to the control area 18 and the opposite end to the paintball trigger connect 70 is attached to the paintball gun. A strap 62 having one end coupled to the hopper 36 and the opposite end thereof mounted to the paintball gun frame 38.

**[0036]** Elevation adjustment of paintball gun frame 38 is increased by lengthening bracket 40 at bracket length adjustment 74 or elevation adjustment of paintball gun frame 38 is decreased by shortening bracket 40 at bracket length adjustment 74.

**[0037]** An alternate embodiment of the paintball gun vehicular mount illustrated in FIG. 10 (side view of the preferred embodiment of the paintball gun vehicular mount on a two wheel vehicle).

**[0038]** The steering assembly 10 is composed of a fork clamp 16 attached to the fork ram 24 and to the vehicle frame 22 at pivot 32. The handlebars 12 attach to the control area 18 and handlebar clamp 20. The spokes 28 attach to the hub 26 and to the wheel 26. The hub 26 is attached to the fork ram 24. A bracket 40 is coupled to the handlebars 12 by means of the clamp 42 and to the paintball gun 38 by means of the paintball gun clamp 44. A bracket 40 is coupled to the fork 14 by means of the

clamp 42 and to the paintball gun 38 by means of the paintball gun clamp 44. A strap 62 having one end coupled to the hopper 36 and the opposite end thereof mounted to the paintball gun frame 38.

[0039] Elevation adjustment of paintball gun frame 38 is increased by lengthening bracket 40 at bracket length adjustment 74 or elevation adjustment of paintball gun frame 38 is decreased by shortening bracket 40 at bracket length adjustment 74.

[0040] FIG. 11 illustrates a side view of the preferred embodiment of the paintball gun vehicular mount.

[0041] The steering assembly 10 is composed of the handlebars 12 attached to the control area 18. A bracket 40 is coupled to the handlebars 12 by means of the clamp 42 and to the paintball gun 38 by means of the clamp 42. The bracket length adjustment 74 is proximate to center of bracket 40. The trigger cable 68 is attached on one end to the trigger control 72 mounted to the control area 18 and the opposite end to the paintball trigger connect 70 is attached to the paintball gun. A strap 62 having one end coupled to the hopper 36 and the opposite end thereof mounted to the paintball gun frame 38.

[0042] Elevation adjustment of paintball gun frame 38 is increased by lengthening bracket 40 at bracket length adjustment 74 or elevation adjustment of paintball gun frame 38 is decreased by shortening bracket 40 at bracket length adjustment 74.